

## **MULTIPLE VALVE ENGINE FOR WATERCRAFT**

### **ABSTRACT OF THE DISCLOSURE**

A multiple valve engine for a watercraft includes an improved construction that contributes in balancing the weight of the engine between the port and starboard sides of the watercraft hull. The hull defines a center plane extending generally vertically from bow to stern. The engine includes a cylinder body defining at least one cylinder bore. An axis of the cylinder bore is inclined from the center plane. At least two intake passages communicate with a combustion chamber. Intake valves are arranged to selectively connect and disconnect the intake passages with the combustion chamber. At least one exhaust passage communicates with the combustion chamber. In one mode of the invention, the number of exhaust passages in the engine is less than the number of intake passages. At least one exhaust valve is arranged to selectively connect and disconnect the exhaust passage with the combustion chamber. The intake valves lie closer to the center plane than does the exhaust valve(s).

H:\DOCS\YAMAHA\F5890APP.DOC  
092800